PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Papen Ok Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Number

10/673,833

Filing Date
September 29, 2003

First Named Inventor
Darin GERLACH

Group Art Unit
3764

Examiner Name

of 2 39262/287702 Sheet Attorney Docket Number 1 **U.S. PATENT DOCUMENTS** Name of Patentee or Applicant of Cited Document Document Number Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear **Publication Date** Examine Cite No.1 Number - Kind Code² (if r Initiats * 09/23/2003 Weaver, et al. 6,623,486 B1 PP FOREIGN PATENT DOCUMENTS Pages, Columns, Foreign Patent Document Lines, Where Name of Patentee or Applicant of Cited Examin Relevant Publication Date MM-DD-YYYY Cite No.1 Country Code³ - Number⁴ - Kind Code⁵ (if known) Passages or Initiats* Document Relevant Figures Appear 0 355 035 B1 02/21/1990 Europe PP Claims 0 468 192 B1 09/11/1996 Europe PP

Examiner Signature	/Pedro Philogene/	Date Considered	05/10/2006

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

AUS 3 0 2004.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/P INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Group Art Unit

Application Number 10/673,833 Filing Date September 29, 2003 First Named Inventor Darin GERLACH 3764 Examiner Name

Complete if Known

(use as many sheets as necessary)

39262/287702 Sheet Attorney Docket Number

		OTHER PRIOR ART NON PATE	NT LITERATUR	E DOCUMENTS	,		
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LE the item (book, magazine, journal, serial, sy number(s), publisher, cit	mposium, catalog	, etc.), date, page(s), volume-issue	T²		
PP		Baumgaertel, et al., "Fracture healing in biological plate osteosynthesis," <i>Injury</i> , 29(Supp. 3):S-C3-S-C6 (1998)					
PP		Bolhofner, et al., "The Results of Open Fractures Using a Biologic (Indirect) Re Trauma, 10(6):371-377 (1996)	Reduction and I duction Technic	nternal Fixation of Distal Femur que," Journal of Orthopaedic			
PP		Farouk, et al., "Minimally invasive plate results of a cadaver injection study," Inj.					
PP			Farouk, et al., "Minimally Invasive Plate Osteosynthesis: Does Percutaneous Plating Disrupt Femoral Blood Supply Less Than the Traditional Technique?", Journal of				
PP		Frigg, et al., "The development of the distal femur Less Invasive Stabilization System (LISS)," Injury, Int. J. Care Injured, 32(S-C24-31 (2001)					
PP		Gerber, et al., "Biological internal fixation of fractures," Arch. Orthop. Trauma Surg., 109:295-303 (1990)					
PP	-	Karnezis, et al., "'Biological' internal fixation of long bone fractures: a biomechanical study of a 'noncontact' plate system," <i>Injury</i> , 29(9):689-695 (1998)					
PP		Koval, et al., "Distal Femoral Fixation: A Biomechanical Comparison of the Standard Condylar Buttress Plate, a Locked Buttress Plate, and the 95-Degree Blade Plate," Journal of Orthopaedic Trauma, 11(7):521-524 (1997)					
PP		Krettek, et al., "Minimally invasive percutaneous plate osteosynthesis (MIPPO) using the DCS in proximal and distal femoral fractures," <i>Injury</i> , 28(Supp. 1):S-A20-S-A30 (1997)					
PP		Krettek, et al., "Intraoperative control of fractures," Injury, 29(Supp. 3):S-C-29-S		and length in femoral and tibial			
PP		Miclau, et al., "A Mechanical comparison of the Dynamic Compression Plate, Limited Contact-Dynamic Compression Plate, and Point Contact Fixator," Journal of Orthopaedic Trauma, 9(1):17-22 (1995)					
PP		Rüedi, et al., "New Techniques in Indire Orthopaedics and Related Research, No.					
PP		Schavan, et al., "LISS – The Less Invasi Fractures of Femur and Tibia," OTA 98		System for Metaphyseal			
Examiner Signature	T	/Pedro Philogene/	Date Considered	05/10/2006	<u> </u>		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

stitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 Complete If Known

 Application Number
 10/673,833

 Filing Date
 September 29, 2003

 First Named Inventor
 Darin GERLACH

 Group Art Unit
 3764

 Examiner Name
 39262/287702

(use as many sheets as necessary)

of Sheet **U.S. PATENT DOCUMENTS** Name of Patentee or Applicant of Document Number Pages, Columns, Lines, Where Relevant Publication Date Cited Document Examine r Initials * MM-DD-YYYY Passages or Relevant Figures Appear Cite No.1 Number - Kind Code² (# Re. 31,628 07/10/1984 Allgower, et al. PP 4,484,570 11/27/1984 Sutter, et al. 5,085,660 02/04/1992 Lin 5,470,333 11/28/1995 Ray 5,601,553 02/11/1997 Trebing, et al. 5,676,667 10/14/1997 Hausman 01/20/1998 Talos, et al. 5,709,686 09/21/1999 5,954,722 Bono 5,968,046 10/19/1999 Castleman Bernstein, et al. 01/23/2001 6,176,861 B1 02/27/2001 Michelson 6,193,721 03/27/2001 Frigg, et al. 6,206,881 B1 Baccelli 10/23/2001 6,306,136 B1 03/19/2002 Orbay 6,358,250 B1 6,361,537 Anderson 03/26/2002 2002/0045901 A1 04/18/2002 Wagner, et al. 2002/0058940 A1 05/16/2002 Frigg, et al. 05/22/2001 6,235,033 B1 Brace, et al. 07/02/2002 6,413,259 Lyons et al. 08/06/2002 Michelson 6,428,542 6,440,135 B1 08/27/2002 Orbay, et al. 6,454,769 09/24/2002 Wagner et al. 6,506,191 01/14/2003 Joos 2002/0143338 A1 10/03/2002 Orbay, et al. 2001/0047174 11/29/2001 Donno et al. 2001/0037112 11/01/2001 Brace et al.

Examiner Signature	/Pedro Philogene/	Date Considered 05/10/2006
--------------------	-------------------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

- 03/**(2)**/2004 PTO/SB/08B(10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

	Complete if Known				
Application Number	10/673,833				
Filing Date	September 29, 2003				
First Named Inventor	Darin GERLACH				
Group Art Unit	3764				
Examiner Name					
August Destud North an	20222/202720				

Sheet	2	2	Attorney	Docket Number	39262/2	87702	
		FOR	REIGN PATE	NT DOCUME	NTS		
Examin er Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication 0 MM-DD-YYY	ate Appli	of Patentee or cant of Cited ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
PP		EP 0 760 632 B1	03/12/19 05/17/19		urope		
		WO 01/19267 A1	03/22/20		PCT		
		EP 1169971	01/09/20		игоре	 	· · · · · · · · · · · · · · · · · · ·
_		WO 02/058574	08/01/20		PCT		
\longrightarrow			12/06/20		PCT		
		WO 01/91660		-	PCT		
		WO 02/096309 A1	12/05/20	02	PUI		
		OTHER PRIOR ART N	ON PATENT	LITERATUR	E DOCUME!	NTS	
Examiner Initials *	Cite No.1		al, serial, sym oublisher, city a	posium, catalog and/or country w	, etc.), date, pa here publishe	age(s), volume-issu d.	of e T²
PP		Frigg, et al. "LCP: The Lock (undated)	king Compr	ession Plate	System," B	ene Zene	
		Brochure entitled "INTROB GERVICAL PLATE, by DEI				ERIOR	
		Brochure entitled "INTROB THORACOLUMBAR COMI page, undated					
		Marti, et al., "Biomechanica System for the Internal Fixa Orthopaedic Trauma, 15(7)	ation of Dist	al Femur Fra	Invasive Stactures," Jos	tabilization urnal of	
					····-		
··							
							
Examine Signatur		/Pedro Philogene/	I -	Date Considered	05/1	0/2006	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DEMARK Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 10/673,833 Application Number Filing Date September 29, 2003 First Named Inventor Darin GERLACH 3764 Group Art Unit **Examiner Name** 39262/287702 Attorney Docket Number

(use as many sheets as necessary) Sheet of

U.S. PATENT DOCUMENTS Name of Patentee or Applicant of Cited Document Document Number Publication Date MM-DD-YYYY Pages, Columns, Lines, Where Relevant Examine r Initials * Passages or Relevant Figures Appear Cite No.1 Number - Kind Code² (if known) **FOREIGN PATENT DOCUMENTS** Pages, Columns, Foreign Patent Document Lines, Where Name of Patentee or Examin Relevant Publication Date MM-DD-YYYY Applicant of Cited Document Cite No.1 er Initials* Country Code3 - Number4 - Kind Code5 (if Passages or Relevant Figures Appear 06/22/1995 Abstr DE 43 43 117 A1 Germany PP

Examiner Signature	/Pedro Philogene/	Date Considered	05/10/2006
--------------------	-------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FEB 1 7 2006

PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PMATION **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

Complete If Known Application Number 10/673,833 September 29, 2003 Filing Date First Named Inventor Darin GERLACH 3764 Group Art Unit **Examiner Name** Attorney Docket Number 39262/287702

(use as many sheets as necessary) of Sheet

U.S. PATENT DOCUMENTS Name of Patentee or Applicant of Document Number Pages, Cotumns, Lines, Where Relevant Passages or Relevant Figures Appear Publication Date MM-DD-YYYY Cited Document Examine r Initials Number - Kind Code² (if known) Ries, et al. 06/28/1994 5,324,291 PP 03/07/1995 Miller, et al. 5,395,374 05/16/1995 Kipela, et al. 5,415,658 5,665,088 09/09/1997 Gil, et al. Wagner, et al. 10/12/1999 5,964,769 05/21/2002 Wagner, et al. 6,391,030 Allen, et al. 2004/0087954 A1 05/06/2004 Gerlach, et al. 2005/0107796 A1 05/19/2005

			IGN PATENT D	JOURILATO	Pages, Columns,	
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Lines, Where Relevant Passages or Relevant Figures Appear	т⁰
PP		WO 05/032386 A1	04/19/2005	Smith & Nephew		
		OTHER PRIOR ART NO	N PATENT LITE	RATURE DOCUMEN	TS	
Examiner	Cite No.1	Include name of the author (in CA the item (book, magazine, journa	I, serial, symposiun	, title of the article (when n, catalog, etc.), date, pa country where published	ige(s), volume-issue	Т2

Signature	/Pedro Philogene/	Considered	05/10/2006

EXAMINER: Initial if reference considered, whether or not ctation is in conformatice with MPEP 609. Draw line through citation if not in conformation on considered. Include copy of this form with next communication to applicant.

PTC/SB/08a (08-03)
Approved for use through 07/31/2018. OMB 0851-0031
and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons	U.S. Patent and Tri. Obsolors of brocessoried in a collection	ade mark Office; U.S. DEPARTMENT OF COMMERCI Od information unless it contains a valid OMB control numbe
Substitute for form 1449A/PTO		Complete if Known
MEODMATION BIGGI COURS	Application Number	10/673,833
INFORMATION DISCLOSURE	Filing Dale	September 29, 2003
STATEMENT BY APPLICANT	Pirst Named Inventor	Darin GERLACH
	∆rt Unit	3733

(Use as many sheets as necessary)
Sheet 1 of 1

Pirst Named Inventor Darin GERLACH
Aft Unit 3733

Examiner Name PHILOGENE, Pedro
Attorney Docket Number 39262/287702

			U.S. PATENT	OCUMENTS	
Exemples	Cite	Dacument Number	Publication Date	Name of Palentee or Applicant of Cited Document	
inmais.	Cite No.	Number - Kind Code ² (if Angum)	MH-DO-YYYY	Cited Document	Pagas, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
PP		US-6,053,921	04-2000	Wagner et al.	- Sorea repear
		US- 6,520,965	02-2003	Chervitz et el.	
		US- 8.960,213	11-2005	Chervitz et al.	
		US-			
		US-			
		US-			
		US.			
		US-		<u> </u>	
		Us-			
		uş.			
		US.			
		US.	***************************************		
		US-		T	
		US-			

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cile	Foreign Patent Document		Name of Paunièe or	Pages, Cotumns, Lines,	
Initiata	Cile No.1	Country Cada [®] - Number [®] - Kind Code [®] (# knawn)	Publication Date MM-QD-YYYY	Applicant of Olisa Document	Where Ratevant Passages or Relevant Figures Appear	⊤ ¢
	 					
	-					
	<u> </u>					

Examiner Signature	/Pedro Philogene/	Date Considered	05/10/2006

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered, include copy of this form with root communication to applicant. "Applicant's unique citation disalgration number (options). * See Kinds Codes of USPTO Patent Documents at www.instituery or MPEP 801.04. * Erner Office that leaved the document, by the two-latter code (WIPO Standard ST.3). * For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English (anguage

Trystation is allocted.

This collection of information is required by 37 CFR 1.97 and 1.89. The information is required to obtain or return a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 36 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including eathering, preparing, and submitting the completed application form on the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form analier suggestions for reducing this burder, should be sent to the Chief information Officer. U.S. Patert and Trademan's Officer, U.S. Department of Commerce, P.O. Box 1450. Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-0189 and select option 2.

PTO/SB/08e (08-03)
Approved for use through 07/31/2006. CMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number.					
	Substitute for form 1448A/PTO	Gomplete if Known				
		Application Number	10/673,833			
	INFORMATION DISCLOSURE	· Fiting Date	September 29, 2003			
	STATEMENT BY APPLICANT	First Named Inventor	Darin GERLACH			
		Art Unit	3733			
	(Use as many sheets as necessary) .	Examiner Name	Philogene, Pedro			
_	Sheet 1 . of 1 .	Attorney Docket Number	39262/287702			

	Cite No.	Number - Kind Code [®] (If Innown)	Publication Date	Name of Petertee or Applicant of	Pages, Columna, Lines, Where Relevan Passages or Relevant Figures Appear
neniner • elatini			MW-DO-TATA	Cited Document	
PP			10-27-1908	Wyckoff	
1	l	US- 2,601,978	03-28-1950	Wichman	
1		US- 5,527,310	06-18-1998	Cole, et el.	[
		US-5,638,127	07-16-1996	Pennig	
		US- 5,702,399	12-30-1997	Kilpeta, et al.	
1		US-8.129,730	10-10-2000	Bono, et al.	
1		U3- 6,308,140	10-23-2001	Siddiqui	
1		US- 6,365,043	03-12-2002	Agam	
1	-	US- 2003/0018335	01-23-2003	Michelson	
1		US- 6,682,539	01-27-2004	Dinsdale, et al.	
1		US- 2004/0044345	03-04-2004	DeMoss, et al.	
+		US- 2004/0073218	04-15-2004	Dahners	
1		US- 6,730,091	05-04-2004	Pfefferie, et al.	•
+	1	US-			
	1	US-			
	· · · · · ·	US-		·	•
		US-			
	-	US-			
-		US-	•		
	 	US-			
		US-			

		FOREIGN PA	TENT DOCU	MENTS		
Cuminar	Cite No.1	Foreign Patent Occument	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of CRed Document	Peges, Columns, Unes, Where Relevant Passages or Relevent Figures Appear	T*
Examiner (Country Cade ³ - Number ⁴ - Kind Code ³ (If known)				
					• •	
				·	<u></u>	
					 	
						
						
						

	·			
Examiner Signature	/Pedro Philogene/	Date . Considered	05/10/2006	

*EXAMINER: Initial if retarance considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. "Applicant's unique chation designation number (optional). *See Kinde Codes of USPTO Petent Documents at www.userbe.acv or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST..). *For Japanesee patern documents, this indication of the year of the reign or the Emperor must precede the sentil number of the petent document. *Kind of document under WIPO Standard ST.. 16 if possible. *Applicant is to place a check mark here if English language Translation is stached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including pathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any commerce on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Potent and Trademark Office, U.S. Department of Commerce, P.D. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioners for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.